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COMPLETE SPECIFICATION.

Improvements in Ambulance Litters for the Transport of Ill or Wounded Persons.

I, GUSTAV ADOLPH KIRMSE, of 4 Grosse Allee, Hamburg, in the Empire of Germany, Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 5 This invention relates to foldable ambulance litters for the transport of ill or wounded persons.
- In the accompanying drawings
Figure 1, is a side view of an ambulance litter.
Figure 2 a plan, but with cover taken off.
- 10 Figures 3 and 4, are end views shewing the ambulance folded.
- Each of the wooden bearing rods (A) consists of two parts, the connection of which is formed by means of joints (B) for the better safety of which a U shaped iron piece, projecting to the middle of each of said bearing rods, is screwed on top of one of the two parts. The cross connection between both the bearing rods is
- 15 formed by the wood pieces (E) and (F), each consisting of two halves which are joined by means of the joints (G) and (H) and secured by means of U shaped iron pieces (I) and (K). The attachment of the cross wood pieces (E) and (F) to the bearing rods (A) is formed by the joints (L). The joints (G) and (H) are the points of fastening of the shores (M) and (N) serving like diagonal connection
- 20 which also communicate with the bearing rods (A) by the swivel joints (O) and (P) allowing a horizontal, and at the same time vertical turning. The whole frame rests upon the legs (R) attached by means of joints (Q) to the bearing rods, which are kept in the right position by shores (S) and (T), suitably joined with the bearing rods. An adjustable pillow is produced by means of two racks (U) which
- 25 are pivotted at one end to the bearing rods, and at the other to the flat iron supports (V). The latter are attached to the bearing rods by means of bolts (W), and moveable on same in a long slot (X). The iron supports (V) and racks (U) attached to both sides, are joined by a horizontal rod (Y). The props (Z) over which the cover (Z¹) is to be tented are put through the rod (Y) and also into
- 30 suitable holes in the bearing rods (A). The space between the bearing rods (A) and the cross wood pieces (E) and (F) is tented with cloth or net. The cloth which serves for the adjustable pillow is attached to the cross bar (R¹) and is constructed so that said bar (R¹) can be put into the different recesses (R²) of the rack (U).
- 35 In order to fold the ambulance litter it is first necessary to draw the props (Z) out of the bearing rods (A) and also out of the horizontal rod (Y) and put them, together with the cover (Z¹) upon the ambulance, then take the cross bar (R¹) out of the recesses in the racks (U) and put them also, together with the cloth serving for pillow, upon the ambulance. After this place the racks (U) backward, until the
- 40 rod (Y) rest upon the bearing rods (A), and the iron supports (V) lie nearly parallel with the bearing rods. Now take the ambulance by the U shaped iron piece (D) and lift it sufficiently high, by this movement the whole frame fold itself up in the manner as shewn in Figures 3 and 4. Both parts of the bearing rods (A) are turned upon the joints (B) so that the two ends approach each other.
- 45 The shores (S) and (T) cause, by this movement, the legs (R) to assume a parallel position with the bearing rods, whilst the shores (M) and (N) occasion the folding

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of the two parts of the crosswood pieces (E) and (F). In the space (A¹) which is formed between the two ends of the folded frame, the cloth with the props (Z) and the cross bar (R¹) find a sufficient room. A strap of leather which serves for buckling the ill or wounded, when in the ambulance, is firmly buckled round said ambulance which can be transported in a most easy and commodious manner. 5

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is :—

Firstly. A foldable ambulance litter, characterized by bearing rods divided and jointed in their middle, so that they can be folded up, also by cross-wood pieces 10 divided and jointed in their middle and placed parallel with the bearing rods.

Secondly. The shores attached between the legs and the bearing rods which when folding the ambulance, occasion the parallel position of the legs with the bearing rods.

Thirdly. The shores attached between the wood cross pieces and the bearing rods, 15 which in folding the ambulance occasion the parallel position of said wood cross pieces with the bearing rods, at the same time when using the ambulance they serve for diagonal connection.

Fourthly. The racks foldable backwards, in the recesses of which the cross bar is placed to form the adjustable pillow which can be arranged at different 20 heights.

Dated this 30th day of April 1895.

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Fig. 1.

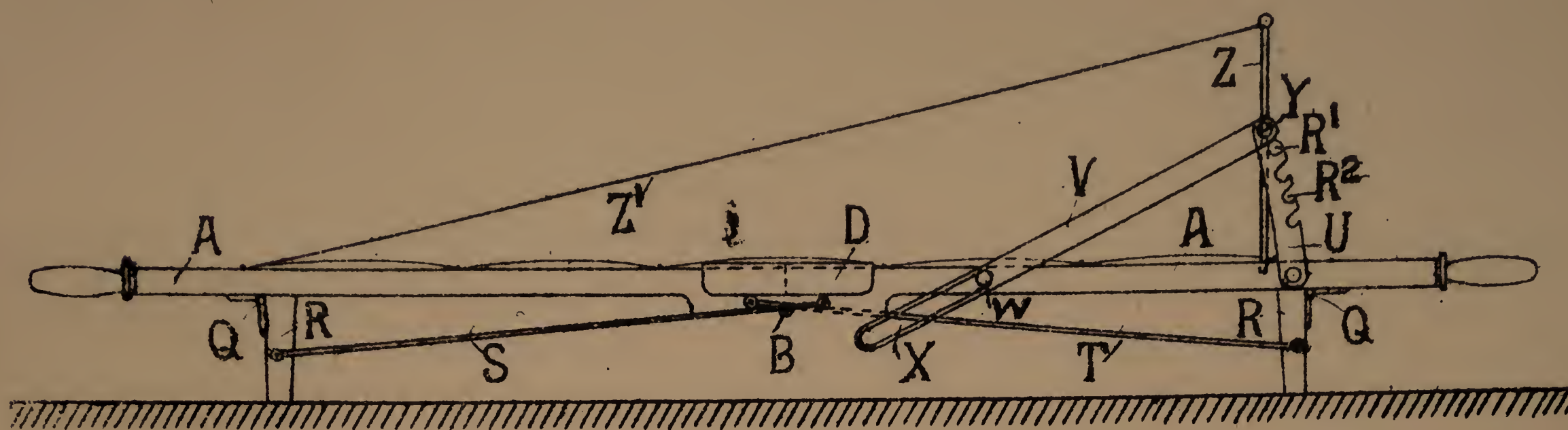


Fig. 2.

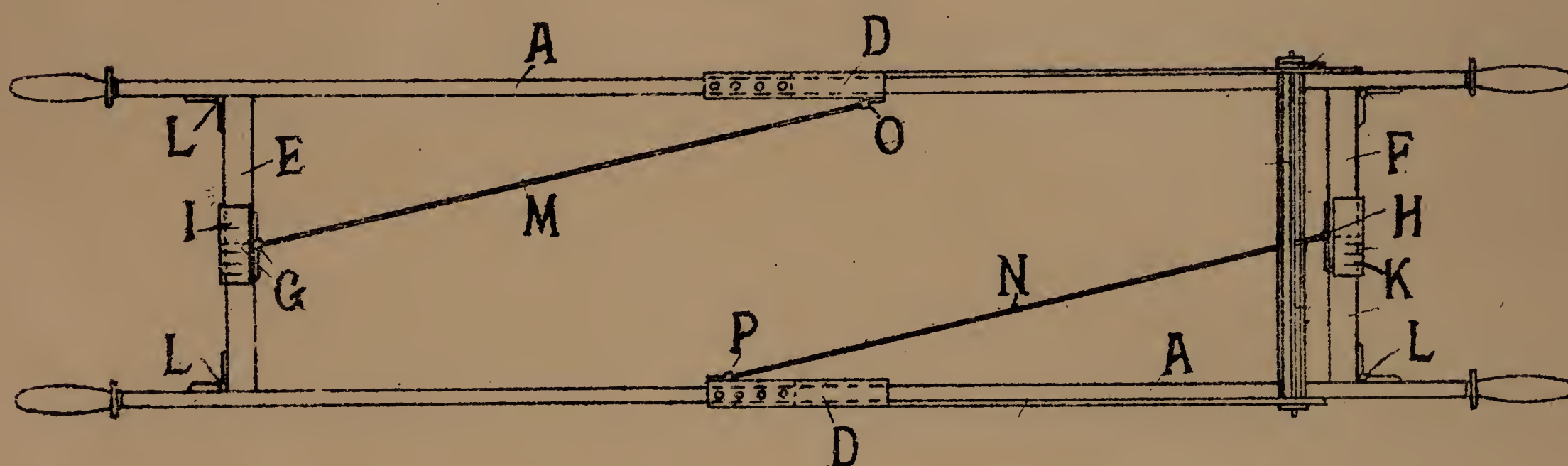


Fig. 3.

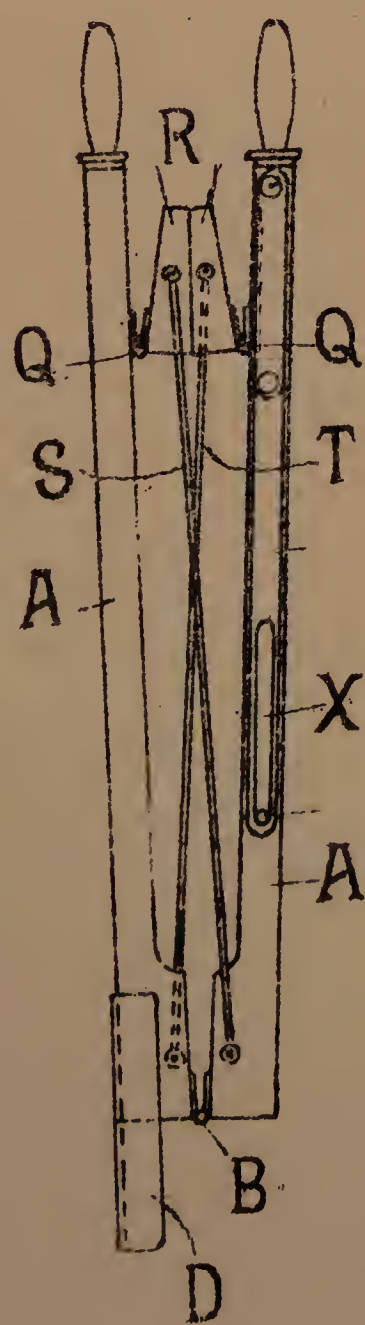


Fig. 4.



[This Drawing is a reproduction of the Original on a reduced scale]

